

Waterford Three Lane Alternative Additional Considerations

2010-03-10, Strand Associates, Inc.

1. Roadway impacts are preliminary. The segment between Jefferson Street and First Street keeps the roadway width the same as existing. Impacts could be incurred if there are sub standard width sidewalks that have to be improved along this stretch. The proposed roadway section over the bridge fits on the existing structure. In general, this layout tried to maintain the existing face-to-face width of the roadway.
2. West of Jefferson Street there are several potentially historic buildings on the north and south of the roadway. Due to intersection requirements the roadway will need widening in this area. Some of this widening could be absorbed by removing the terrace and going to sidewalk from the back of the curb. There may still be impacts to both the north and south properties at this intersection. The impacts will have to be refined and quantified as the design progresses.
3. The northeast and northwest curb radii at Jefferson Street are sufficient for a Single Unit truck to pass in their lane or a WB-50 with encroachment into adjacent lanes. The southeast curb radius at First Street is sufficient for a Single Unit truck to pass in its own lane or a WB-50 with encroachment into adjacent lanes.
4. There could be impacts to some intersections based on the minimal sidewalk widths and building setbacks. There are some locations that it may be difficult to provide 6 feet of sidewalk width between the existing curb and buildings. If this is the case, a design exception will be needed or the curb would need to be moved in, resulting in a narrower section.
5. The First Street intersection has not been checked for signal pole placement. Providing signal poles and proper pedestrian accommodation widths may be difficult at this intersection because of the existing sidewalk widths and building setbacks.